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PTO/SB/21 (09-04)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/655,994
Filing Date	09/05/03
First Named Inventor	Tim Rausch
Art Unit	2655
Examiner Name	
Attorney Docket Number	SEAG 61979

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <ul style="list-style-type: none">- Request to Correct Inventorship Under 37 C.F.R. 1.48(a)- Statements from 3 inventors stating error in inventorship- Declaration
<input type="checkbox"/> Remarks		<ul style="list-style-type: none">- Consent of Assignee to Addition of Inventors- Statement Under 37 CFR 3.73(b)- Assignment- Processing Fee Under 37 CFR 1.17(i) Transmittal- Supplemental Application Data Sheet- return postcard

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Pietragallo, Bosick & Gordon		
Signature	<i>Robert P. Lenart</i>		
Printed name	Robert P. Lenart		
Date	03/11/2005	Reg. No.	30,654

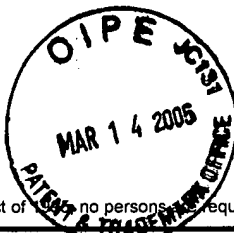
CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	<i>Robert P. Lenart</i>		
Typed or printed name	Robert P. Lenart	Date	03/11/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/17i (11-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**PROCESSING FEE
Under 37 CFR 1.17(i)
TRANSMITTAL**

(Fees are subject to annual revision)

Send completed form to: Commissioner for Patents
P.O. Box 1450, Alexandria, VA 22313-1450

Application Number	10/655,994
Filing Date	09/05/03
First Named Inventor	Tim Rausch
Art Unit	2655
Examiner Name	
Attorney Docket Number	SEAG 61979

**Enclosed is a paper filed under 37 CFR 1.48(a) that requires a processing fee (37 CFR 1.17(i)).
Payment of \$ 130 is enclosed.**

This form should be included with the above-mentioned paper and faxed or mailed to the Office using the appropriate Mail Stop, if applicable. For transmittal of petition fees under 37 CFR 1.17(f), (g) or (h), see form PTO/SB/17p.

Payment of Fees (small entity amounts are NOT available for the petition fees)☒ The Commissioner is hereby authorized to charge the following fees to Deposit Account No. 500859:☒ processing fee under 37 CFR 1.17(i) ☒ any deficiency of fees and credit of any overpayments

Enclose a duplicative copy of this form for fee processing.

☐ Check in the amount of \$ _____ is enclosed.☐ Payment by credit card (Form PTO-2038 or equivalent enclosed). Do not provide credit card information on this form.**Processing Fees under 37 CFR 1.17(i): Fee \$130 Fee Code 1808 for all,
Except for § 1.221 papers (Fee Code 1803)**

For papers filed under:

§ 1.28(c)(3) - for processing a non-itemized fee deficiency based on an error in small entity status.

§ 1.41 - for supplying the name or names of the inventor or inventors after the filing date without an oath or declaration as prescribed by § 1.63, except in provisional applications.

§ 1.48 - for correcting inventorship, except in provisional applications.

§ 1.52(d) - for processing a nonprovisional application filed with a specification in a language other than English.

§ 1.53(b)(3) - to convert a provisional application filed under § 1.53(c) into a nonprovisional application under § 1.53(b).

§ 1.55 - for entry of late priority papers.

§ 1.99(e) - for processing a belated submission under § 1.99.

§ 1.103(b) - for requesting limited suspension of action, continued prosecution application (§ 1.53(d)).

§ 1.103(c) - for requesting limited suspension of action, request for continued examination (§ 1.114).

§ 1.103(d) - for requesting deferred examination of an application.

§ 1.217 - for processing a redacted copy of a paper submitted in the file of an application in which a redacted copy was submitted for the patent application publication.

§ 1.221 - for requesting voluntary publication or republication of an application. **Fee Code 1803**

§ 1.291(c)(5) - for processing a second or subsequent protest by the same real party in interest.

§ 1.497(d) - for filing an oath or declaration pursuant to 35 U.S.C. 371(c)(4) naming an inventive entity different from the inventive entity set forth in the international stage.

§ 3.81 - for a patent to issue to assignee, assignment submitted after payment of the issue fee.

Robert P. Lenart

Signature

03/11/2005

Date

Robert P. Lenart

Typed or printed name

30,654

Registration No., if applicable

This collection of information is required by 37 CFR 1.17. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 5 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of:

TIM RAUSCH ET AL.

Serial No.: 10/655,994

Filed: September 5, 2003

Group Art Unit: 2655

HEAT ASSISTED MAGNETIC
RECORDING HEAD AND
METHOD

Attorney Docket No. SEAG 61979

REQUEST TO CORRECT INVENTORSHIP UNDER 37 C.F.R. § 1.48(a)

March 11, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please correct the inventors for the subject patent application by adding the following previously unnamed persons as inventors in this application: William Albert Challenger, Christophe Daniel Mihalcea, and Keith Mountfield.

Enclosed are:

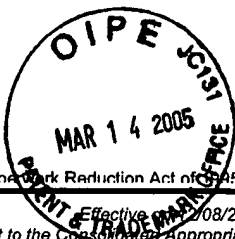
- A statement from each person being added as an inventor that the error in inventorship occurred without deceptive intent on his part.
- A Declaration of each of the actual inventors
- A statement of consent to the change in inventorship by the assignee
- Statement Under 37 CFR 3.73(b)
- Assignment
- A Supplemental Application Data Sheet adding three inventors.

Respectfully submitted,

Robert P Lenart

Robert P. Lenart
Registration No. 30,654
Pietragallo, Bosick & Gordon
One Oxford Centre, 38th Floor
301 Grant Street
Pittsburgh, PA 15219
Telephone No.: (412) 263-4399
Facsimile No.: (412) 261-0915
Attorney for Applicants

03/16/2005 MBERHE 00000025 500859 10655994
01 FC:1464 130.00 DA



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Effective 08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 40

Complete if Known

Application Number	10/655,994
Filing Date	09/05/03
First Named Inventor	Tim Rausch
Examiner Name	
Art Unit	2655
Attorney Docket No.	SEAG 61979

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 500859 Deposit Account Name: Pietragallo

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES**Fee Description**

	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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- 20 or HP = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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- 3 or HP = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
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- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Assignment Recordation

Fees Paid (\$)

40

SUBMITTED BY

Signature	Robert P. Lenart	Registration No. (Attorney/Agent)	30,654	Telephone	412-263-4399
Name (Print/Type)	Robert P. Lenart	Date	03/11/2005		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

TIM RAUSCH ET AL.

Serial No.: 10/655,994

Filed: September 5, 2003

Group Art Unit: 2655

:
:
: HEAT ASSISTED MAGNETIC
: RECORDING HEAD AND
: METHOD
:
:
: Attorney Docket No. SEAG 61979
:
:

STATEMENT OF WILLIAM ALBERT CHALLENGER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, William Albert Challenger, hereby state that the error in inventorship of the subject patent application occurred without deceptive intention on my part.

Respectfully submitted,

William A. Challenger

William Albert Challenger

March 2, 2005

(Date)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	:	
TIM RAUSCH ET AL.	:	HEAT ASSISTED MAGNETIC
	:	RECORDING HEAD AND
	:	METHOD
Serial No.: 10/655,994	:	
	:	
Filed: September 5, 2003	:	Attorney Docket No. SEAG 61979
	:	
Group Art Unit: 2655	:	

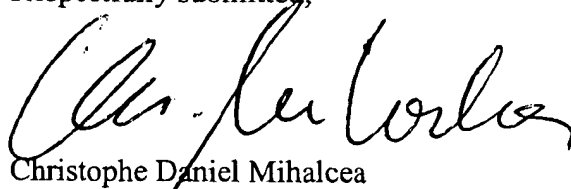
STATEMENT OF CHRISTOPHE DANIEL MIHALCEA

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Christophe Daniel Mihalcea, hereby state that the error in inventorship of the subject patent application occurred without deceptive intention on my part.

Respectfully submitted,


Christophe Daniel Mihalcea

3/11/05
(Date)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	:	
TIM RAUSCH ET AL.	:	HEAT ASSISTED MAGNETIC
	:	RECORDING HEAD AND
Serial No.: 10/655,994	:	METHOD
	:	
Filed: September 5, 2003	:	Attorney Docket No. SEAG 61979
	:	
Group Art Unit: 2655	:	

STATEMENT OF KEITH MOUNTFIELD

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Keith Mountfield, hereby state that the error in inventorship of the subject patent application occurred without deceptive intention on my part.

Respectfully submitted,

Keith Mountfield

Keith Mountfield

March 2, 2005
(Date)



PTO/SB/01A (09-04)
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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	HEAT ASSISTED MAGNETIC RECORDING HEAD AND METHOD
--------------------	--

As the below named inventor(s), I/we declare that:

This declaration is directed to:

☐ The attached application, or

☒ Application No. 10/655,994, filed on September 5, 2003

☐ as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)	
Inventor one: <u>Tim Rausch</u>	Date: <u>03/09/05</u>
Signature: <u>[Signature]</u>	Citizen of: <u>Canada</u>
Inventor two: <u>Ibrahim Kursat Sendur</u>	Date: <u>03/03/2005</u>
Signature: <u>[Signature]</u>	Citizen of: <u>Turkey</u>
Inventor three: <u>William Albert Challener</u>	Date: <u>3/1/2005</u>
Signature: <u>William A. Challener</u>	Citizen of: <u>United States of America</u>
Inventor four: <u>Christophe Daniel Mihalcea</u>	Date: <u>3/11/05</u>
Signature: <u>[Signature]</u>	Citizen of: <u>Germany</u>
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	HEAT ASSISTED MAGNETIC RECORDING HEAD AND METHOD
-----------------------	--

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- ☐ The attached application, or
- ☒ Application No. 10/655,994, filed on September 5, 2003,
- ☐ as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)	
five Inventor one: Keith Mountfield	Date: <u>March 02, 2005</u>
Signature: <u>Keith Mountfield</u>	Citizen of: <u>Canada</u>
Inventor two: _____	
Signature: _____	Citizen of: _____
Inventor three: _____	
Signature: _____	Citizen of: _____
Inventor four: _____	
Signature: _____	Citizen of: _____
<input type="checkbox"/> Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	:	
	:	
TIM RAUSCH ET AL.	:	HEAT ASSISTED MAGNETIC
	:	RECORDING HEAD AND
	:	METHOD
Serial No.: 10/655,994	:	
	:	
Filed: September 5, 2003	:	Attorney Docket No. SEAG 61979
	:	
Group Art Unit: 2655	:	

CONSENT OF ASSIGNEE TO ADDITION OF INVENTORS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Assignee, Seagate Technology LLC, of the subject patent application, as shown in an Assignment recorded at Reel 014474, Frame 0983, hereby consents to the correction of inventorship filed herewith to add the following three inventors: William Albert Challener, Christophe Daniel Mihalcea, and Keith Mountfield.

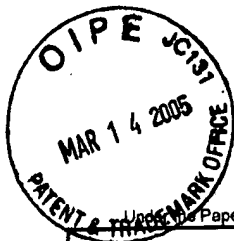
A Statement under 37 C.F.R. § 3.73(b) is enclosed.

Respectfully submitted,

Carol I. Bordas
Senior Patent Attorney

(Date)

2/28/05



PTO/SB/96 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/~~Patent Owner~~: Tim Rausch et al.Application No./~~Patent No.~~: 10/655,994 Filed/~~Issue Date~~: September 5, 2003

Entitled:

Seagate Technology LLC

(Name of Assignee)

a Limited Liability Company

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014474, Frame 0983, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Carol I. Bordas

Signature

Carol I. Bordas

Printed or Typed Name

Senior Patent Attorney

Title

2/28/05

Date

(412) 918-7167

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ASSIGNMENT

Attorney Docket No. : SEAG 61979
Seagate Docket No. : STL 11253

WHEREAS, we, TIM RAUSCH of 2467 Lakemont Drive, Gibsonia, PA 15044, U.S.A., a citizen of Canada, IBRAHIM KURSAT SENDUR of 6317 Marchand Avenue, Apt. 2, Pittsburgh, PA 15206 U.S.A., a citizen of Turkey, WILLIAM ALBERT CHALLENGER of 104 Witherow Road, Sewickley, PA 15143, U.S.A., a citizen of the United States of America, CHRISTOPHE DANIEL MIHALCEA of 129 St. Joseph Way, Pittsburgh, PA 15203, U.S.A., a citizen of Germany, and KEITH MOUNTFIELD of 4901 Cypress Street, #3, Pittsburgh, PA 15224, U.S.A., a citizen of Canada, are the inventors of an invention entitled HEAT ASSISTED MAGNETIC RECORDING HEAD AND METHOD for which we filed an application for Letters Patent of the United States having Serial No. 10/655,994 and a filing date of September 5, 2003; and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

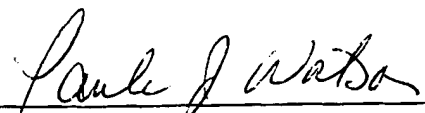
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my/our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

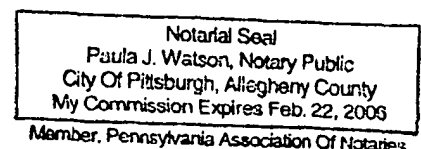
I/We represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.


TIM RAUSCH

Subscribed and sworn to before me at Allegheny County, a Notary Public, this 9th day of March, 2005.


Notary Public

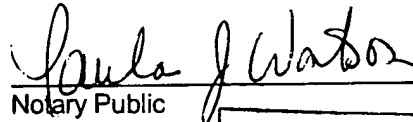
(SEAL)



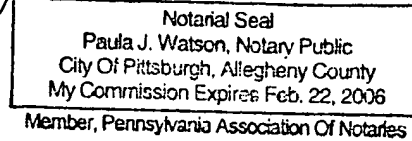


IBRAHIM KURSAT SENDUR

Subscribed and sworn to before me at Allegheny County, a Notary Public, this 30th day of MARCH, 2005.


Notary Public

(SEAL)

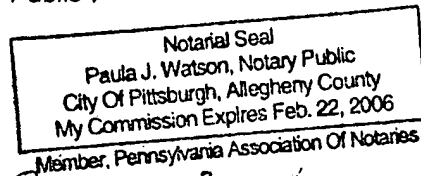


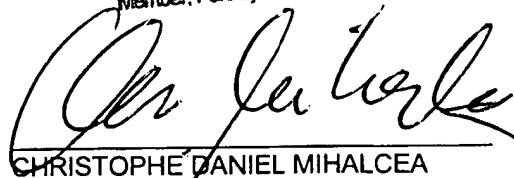

WILLIAM ALBERT CHALLENGER

Subscribed and sworn to before me at Allegheny County, a Notary Public, this 1st day of MARCH, 2005.

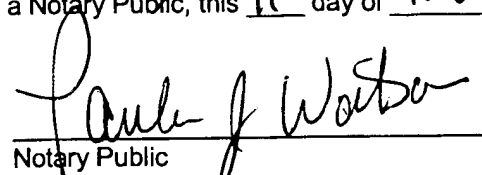

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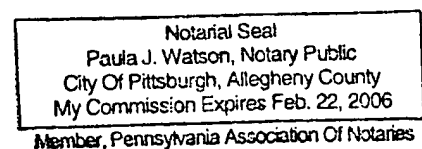



CHRISTOPHE DANIEL MIHALCEA

Subscribed and sworn to before me at Allegheny County, a Notary Public, this 11th day of MARCH, 2005.


Notary Public

(SEAL)



Attorney Docket No. : SEAG 61979
Seagate Docket No. : STL 11253

Keith Mountfield
KEITH MOUNTFIELD

Subscribed and sworn to before me at Allegheny County, a Notary Public, this 2nd day of March, 2005.

Paula J. Watson
Notary Public

(SEAL)

